

Amendments to the Claims

The following listing of the claims will replace all prior versions, and listings of the claims in the application:

Listing of Claims

1. (Amended) A disk drive apparatus comprising:

a turntable having four or more projections each of which has predetermined height, which are arranged at positions wherein a circumference is divided at equal intervals, and the tips of which are substantially on the same plane, for supporting a mounted disk by using said four or more projections;

a clamper having four or more projections each of which has predetermined height, which are arranged at positions wherein a circumference is divided at equal intervals, and holding said disk between these projections and the projections on said turntable; and

positioning means for holding said disk between the projections on said turntable and the projections on said clamper disposed opposite to each other, wherein

the differences (flatness) in height among said projections of said turntable are within 40 μ m, and

the differences (flatness) in height among said projections of said clamper are within 40 μ m.

2. (Original) A disk drive apparatus comprising:

a turntable having four or more projections each of which has predetermined height, which are arranged at positions wherein a circumference is divided at equal intervals, and the tips of which are substantially on the same plane, for supporting a mounted disk by using said four or more projections;

a clamper having four or more projections each of which has predetermined height, which are arranged at positions wherein a circumference is divided at equal intervals, and holding said disk between these projections and the projections on said turntable;

positioning means for holding said disk between the projections on said turntable and the projections on said clamper disposed opposite to each other;

a sub-base to which a spindle motor for rotating said disk is secured;

a main base over which said sub-base is installed via elastic bodies; and
a balancer having arc-shaped tracks with a plurality of arcs having a central angle of less than 360 degrees and balance members provided so as to be movable on said arc-shaped tracks, and provided so as to be rotatable integrally with said disk.

3. (Amended) A disk drive apparatus comprising:

a turntable provided with a ring-shaped rubber sheet stuck to a disk mounting face thereof on which a disk used as a recording medium is mounted; and

a clamper having four or more projections each of which has predetermined height, which are arranged at positions wherein a circumference is divided at equal intervals, the tips of which are substantially on the same plane, and holding said disk between said projections and said ring-shaped rubber sheet, wherein the differences (flatness) in height among said projections of said clamper are within 40 μ m.

4. (Amended) A disk drive apparatus comprising:

a turntable having four or more projections each of which has predetermined height, which are arranged at positions wherein a circumference is divided at equal intervals, and the tips of which are substantially on the same plane, for supporting a mounted disk by using said four or more projections; and

a clamper provided with a ring-shaped rubber sheet stuck to a disk mounting face thereof for holding said disk between said ring-shaped rubber sheet and said projections of said turntable, wherein the differences (flatness) in height among said projections of said turntable are within 40 μ m.